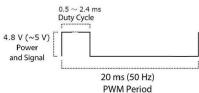
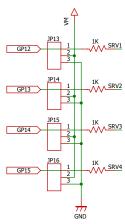
2023/05/14







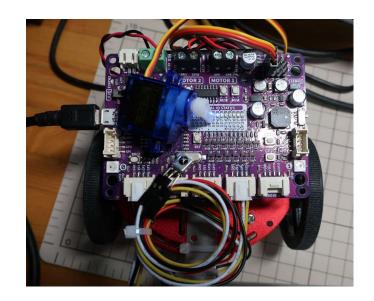
Position "0" (1.45 ms pulse) is middle, "90" (\sim 2.4 ms pulse) is all the way to the right, "-90" (\sim 0.5 ms pulse) is all the way left.



from machine import Pin, PWM from utime import sleep msb = machine.PWM(machine.Pin(12)) msb.freq(50) # dutyの設定は、0-65536の範囲 # 0°:4751

while True: msb.duty_u16(1638) # 0° sleep(1) msb.duty_u16(4751) # 90° sleep(1) msb.duty_u16(7864) # 180° sleep(1) -90°から90°まで、10°ずつ変えたときの設定値を計算した

// 中心位置 1.45/20 = X/65536	0 1638 10 1984
x = 1.45/20 * 65536	20 2330
// 000	30 2676
//-90°	40 3022
x1 = 0.5/20 * 65536	50 3367
// 000	60 3713
// 90°	70 4059
x2 = 2.4 /20 * 65536	80 4405 90 4751
v 47F1	
x = 4751	100 5097
x1 = 1638	110 5443
x2 = 7864	120 5789
	130 6135
	140 6480
	150 6826
	160 7172
	170 7518
	180 7864



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